

REMARKS

This is intended as a full and complete response to the Office Action dated June 12, 2007 (hereinafter "the Office Action") having a shortened statutory period for response set to expire on September 12, 2007.

Claims 1-20 are pending in the present Office Action. Claims 11-16 and 18-20 are allowed. Claims 1-10 and 17 are rejected. The drawings are objected to.

IN THE DRAWINGS

Figures 4, 5 and 6 are objected to for failure to label vertical and horizontal axes in the graphs.

Replacement Figures 4, 5 and 6, in compliance with 37 C.F.R. 1.121(d), are included as an attachment to this paper.

CLAIM REJECTIONS

35 U.S.C. § 112

Claims 1-10 and 17 stand rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention.

Regarding Claim 1, Examiner states that Claim 1 is an apparatus claim but that the third element of Claim 1 is a pulse that "is a signal and does not fall within a statutory category of invention. Applicants respectfully disagree. However, in order to expedite final allowance and issuance, Applicants have amended Claim 1 to more particularly point out and distinctly claim the subject matter at hand. As amended, Claim 1 is allowable. Claims 2-10 depend from and further limit Claim 1 and are, therefore, also allowable and their respective rejections are now moot.

Regarding Claim 17, Examiner states that dependent Claim 17 contradicts a limitation of independent Claim 16. Applicants respectfully disagree. The modified pulse of Claim 16 has zero-crossings at bit edges in the bit period. The modified pulse of Claim 17 has zero-crossings at bit edges in the bit period, except those bit edges immediately adjacent to the bit period of the modified pulse. The modified pulse of dependent Claim 17 is a specific embodiment of the modified pulses of independent

Claim 16 from which it depends.

However, in order to expedite final allowance and issuance, Applicants have amended Claim 16 to more particularly point out and distinctly claim the subject matter at hand. As amended, Claim 16 is clearly not contradicted by Claim 17. Claim 17 has been amended to more distinctly claim the method of Claim 16 wherein the modified pulse results from an embodiment. As amended, Claims 16 and 17 meet the requirements of 37 C.F.R. 112 and are allowable.

ALLOWABLE SUBJECT MATTER

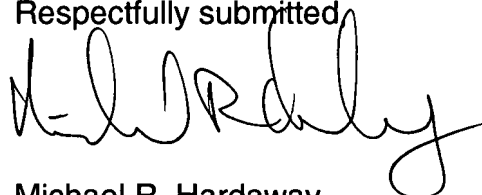
Claims 11-16 and 18-20 are allowed. Applicants thank the Examiner for this recognition of allowable subject matter.

CONCLUSION

Claims 1, 16 and 17 have been amended. All claims are in condition for allowance and a Notice of Allowance is respectfully requested.

If there are any questions, the Applicant's attorney can be reached at Tel: 408-879-6149 (Pacific Standard Time).

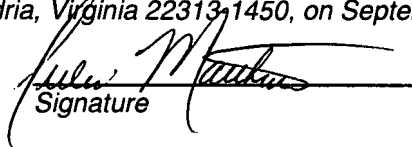
Respectfully submitted,



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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on September 11, 2007.

Julie Matthews
Name


Signature